



HLC15B<sup>®</sup> / HLC15E<sup>®</sup> / HLC19W<sup>®</sup> / HLC19E<sup>®</sup> / HLC22E<sup>®</sup>

LCD TV/DVD Player Combo

## **USER MANUAL**

Please read this manual carefully  
before using this TV set and keep it  
for future reference.

# WARNING AND CAUTION



## CAUTION

**RISK OF ELECTRIC SHOCK  
DO NOT OPEN**



### CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. FOR ANY PROBLEM, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THERE IS A LIGHTNING ARROW SYMBOL IN THE TRIANGLE: THIS SYMBOL INDICATES HIGH VOLTAGE IS PRESENT INSIDE. IT IS DANGEROUS TO MAKE ANY KIND OF CONTACT WITH ANY INSIDE PART OF THIS PRODUCT.

THERE IS AN EXCLAMATION MARK IN THE TRIANGLE: THIS SYMBOL ALERTS YOU THAT IMPORTANT LITERATURE CONCERNING OPERATION AND MAINTENANCE HAS BEEN INCLUDED WITH THIS PRODUCT.




### CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK AND FIRE, DO NOT PUT THE TV SET NEAR SOURCES OF HUMIDITY. DO NOT USE ANY ABRASIVE CLEANSERS WHICH MAY SCRATCH OR DAMAGE THE LCD SCREEN. AVOID CONTACT WITH OBJECTS THAT MAY SCRATCH THE LCD SCREEN.



NOTE: SERVICING THE UNIT YOURSELF IS UNAUTHORIZED AND COULD LEAD TO INJURY OR PRODUCT DAMAGE.

# IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purposes of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use the attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.  
When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time. 
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

# Safety Instructions

## PRECAUTIONS

**FCC WARNING**-This equipment may generate or use radio frequency energy.Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual.The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

### **LASER SAFETY**

This unit employs a laser.Only a qualified service person should remove the cover or attempt to service this device,due to possible eye injury.

**CAUTION:**USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

**CAUTION:**VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED.DO NOT STARE INTO BEAM.

**LOCATION:**INSIDE,NEAR THE DECK MECHANISM.

# CONTENT

Safety Notice Items.....	1
Front Panel Controls.....	2
Connection Options.....	3
Remote Control Key Functions.....	4
Remote Control .....	5
Installing Batteries.....	5
Connection Instructions.....	6
Grounding.....	6
External equipment Connections.....	6
Antenna Connection.....	6
VGA Setup.....	7
Component Setup.....	7
VCR Setup.....	8
HDMI Input.....	8
Cable TV Setup.....	9
External Component Source Setup.....	9
Basic Operating Instructions.....	10
Turn on the LCD-TV.....	10
Audio Control.....	10
Mute.....	10
Select the TV Channel You Want.....	11
Picture Mode.....	11
Audio Mode.....	11
Sleep.....	11
INFO.....	11
GUIDE.....	11
-button.....	12
CH.LIST button.....	12
FAV.LIST button.....	12
ARC button.....	12
Menu Operations.....	13
Picture Menu Options.....	13
Picture Menu Options Continued.....	14
Audio Menu Options.....	14
Audio Menu Options Continued.....	15
Set up Menu Options.....	16
Feature Menu Options.....	18
Feature Menu Options Continued.....	19-22
VGA Menu Options Continued.....	22-23
Component Menu Options.....	24
HDMI and S-Video Menu Options.....	25
DVD Features.....	26
Special Function Playback.....	28
DVD System Setup.....	29-32
Playable Discs.....	33
Disc Protection and DVD Characteristics.....	34
Troubleshooting Guide.....	35
Specifications.....	36
Warranty .....	37

Note:HDMI input is available only on certain models. Please refer to your original set for specific details.

# Safety Notice Items

Incorrect usage may cause fire or electric shock. To prevent this, please do as required when you are installing, using and cleaning this machine. To ensure your safety and extend the life-span of LCD-TV, please read the following items carefully before using:

Please read and understand all the instructions before operation;

Please keep this manual for later use;

Please comply strictly with the warning instructions on the machine and in this book;

Please comply with the instructions provided;

Please do not use additional devices that are not recommended by manufacturer:

Before operation, please make sure that the operating voltage of your unit is correct;

Do not place the unit on unstable, dusty and humid places;

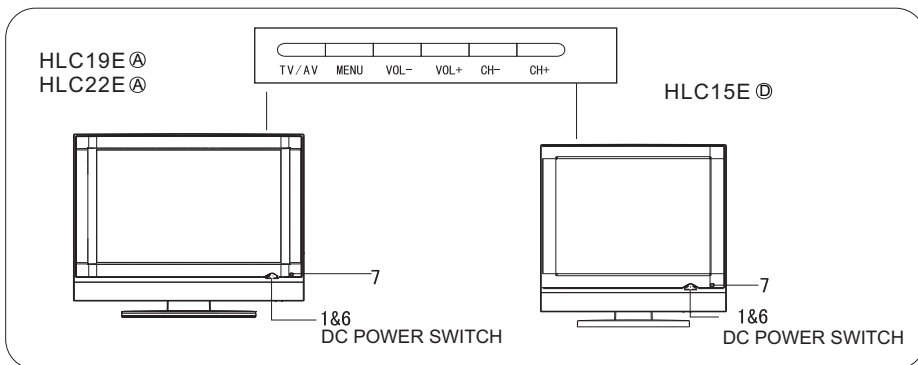
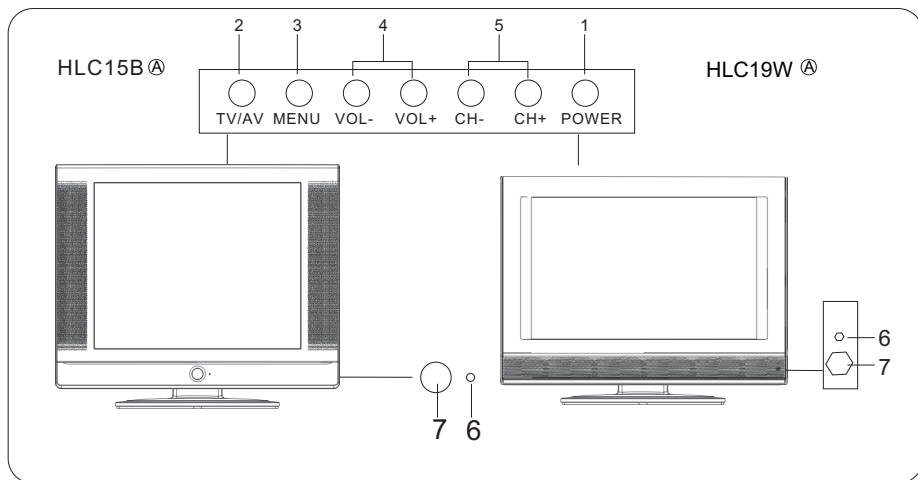
Never put the unit in direct sunlight or near heat sources;

Allow enough space for proper ventilation;

Please keep water away from the LCD-TV. If water comes in contact with the LCD-TV, disconnect the power cord from the power source, then wipe the set with a dry soft cloth;

Do not remove the back cover. If service is needed, please contact an Authorized service technician.

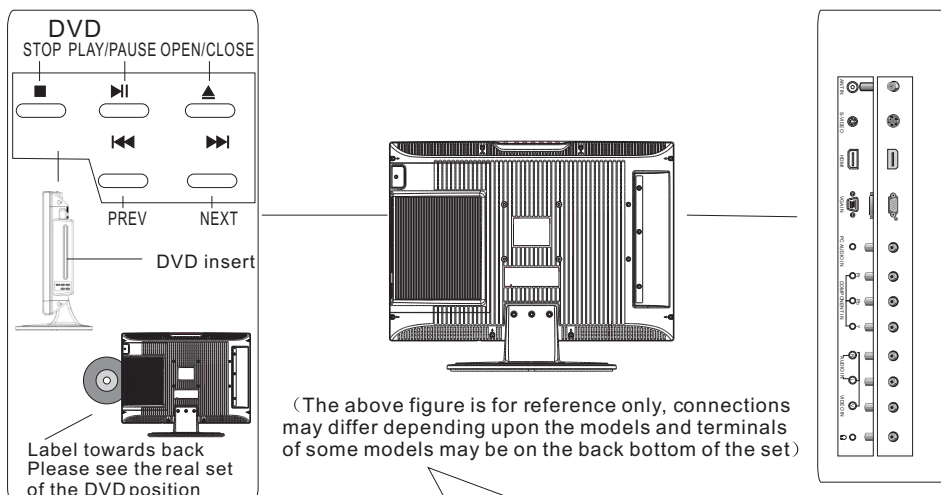
# Front Panel Controls



## Control Panel Function

1. Power supply switch
2. TV/AV Selects the input signals.
3. MENU Press to select the main menu
4. VOL- Volume down / Left orientation to adjust the item in the OSD  
VOL+ Volume up / Right orientation to adjust the item in the OSD / Press to enter
5. CH- TV channel down / to select the item in the menu  
CH+ TV channel up / to select the item in the menu
6. Power indicator
7. Remote Sensor Receives the signals from the remote control

# Connection Options



## Antenna Input

Connect cable or antenna signals to the TV, either directly or through your cable box.

## HDMI Input

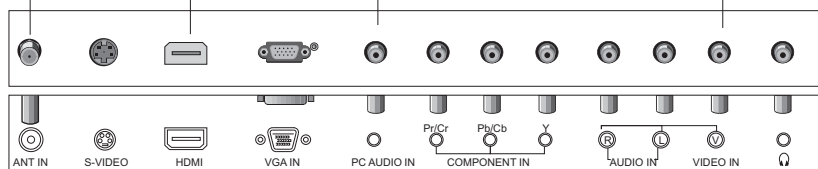
Connect to HDMI output of other equipment

## PC Audio Input

Connect the audio output from the pc to the PC audio input port

## Video Input

Connect video output from an external device to this jack



## S-Video Input

Connect S-Video out from an S-Video device to the jacks.

## VGA Input

Connect to the VGA 15PIN analog output connector of a PC graphics card to use set as a PC display

## Component Input

Connect a component video device to these jacks

## Headphone

## AV/S-VIDEO/COMPONENT Audio Input

Connect audio output from an external device to these jacks

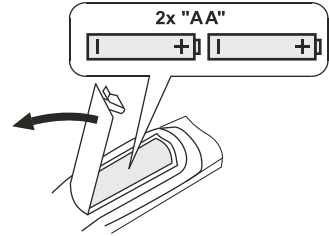


# Remote Control

## Installing Batteries

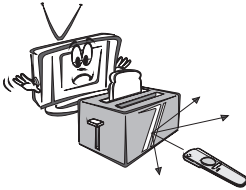
Remove the battery cover.

Insert two size AA batteries matching the +/- polarities of the battery to the +/- marks inside the battery compartment.

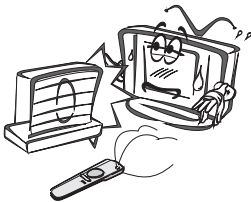


## Precautions

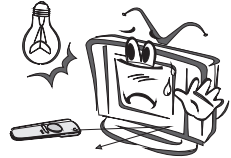
Make sure that there is no obstacle between the remote controller and television set.



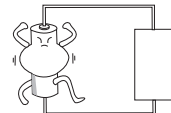
Keep the remote control away from heat sources or humid areas to ensure effective performance of the remote.



As strong light may interfere with the signals, change your position to operate the remote control if the television cannot be turned on or off as expected.



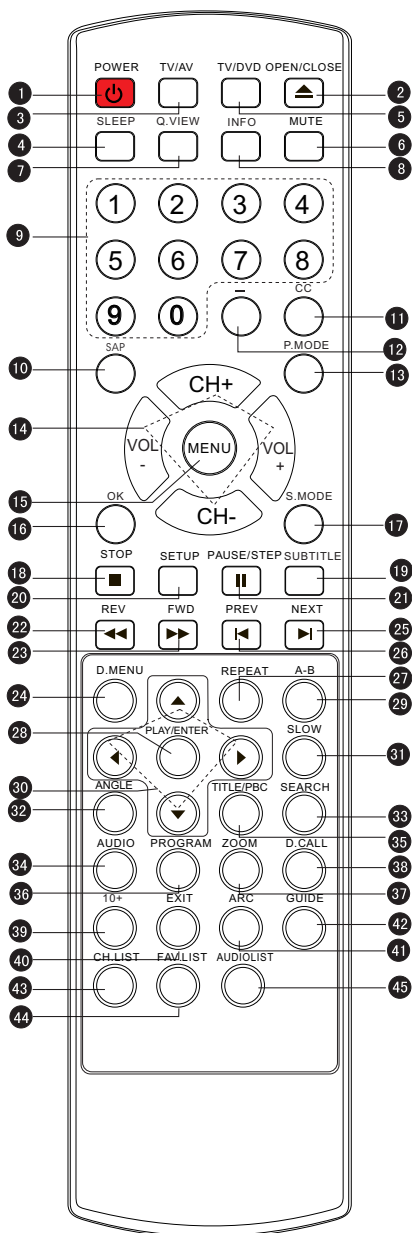
Make sure that two AA 1.5V alkaline batteries are loaded. The batteries must be of the same type, must be inserted properly, and must not be rechargeable.



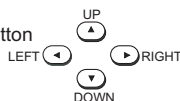
# Remote Control Key Functions

When using the remote control, aim it towards the remote sensor on the TV

## Buttons on the remote control



- 1 Power
- 2 DVD Open/close
- 3 TV/AV and input selection
- 4 TV Sleep button
- 5 TV/DVD
- 6 Mute
- 7 Q View: Return to previous channel in TV mode
- 8 Program Information
- 9 Program Number
- 10 Select MONO, STEREO, SAP in NTSC system
- 11 CC( closed caption) On / Off
- 12 Select additional channels
- 13 Adjust Picture Mode
- 14 Volume/Channel Selection
- 15 MENU
- 16 Confirm button
- 17 Adjust sound mode
- 18 DVD STOP
- 19 DVD SUBTITLE
- 20 DVD SETUP
- 21 DVD PAUSE/STEP
- 22 DVD FAST REVERSE
- 23 DVD FAST FORWARD
- 24 DVD MENU
- 25 DVD Next Chapter
- 26 DVD Previous Chapter
- 27 DVD REPEAT
- 28 DVD PLAY/ENTER
- 29 DVD A-B REPEAT
- 30 DVD Cursor Move button
- 31 DVD SLOW
- 32 DVD ANGLE
- 33 DVD SEARCH
- 34 DVD AUDIO Mode
- 35 DVD TITLE/PBC
- 36 DVD PROGRAM
- 37 Zoom Function
- 38 DVD CALL
- 39 DVD 10+
- 40 Exit On Screen Display
- 41 Select the aspect ratio
- 42 Shows program schedule in TV
- 43 Open the channel list in TV
- 44 Open the favorite channel list in TV
- 45 Open the AUDIOLIST in TV



# Connection Instructions

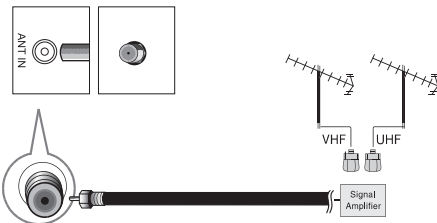
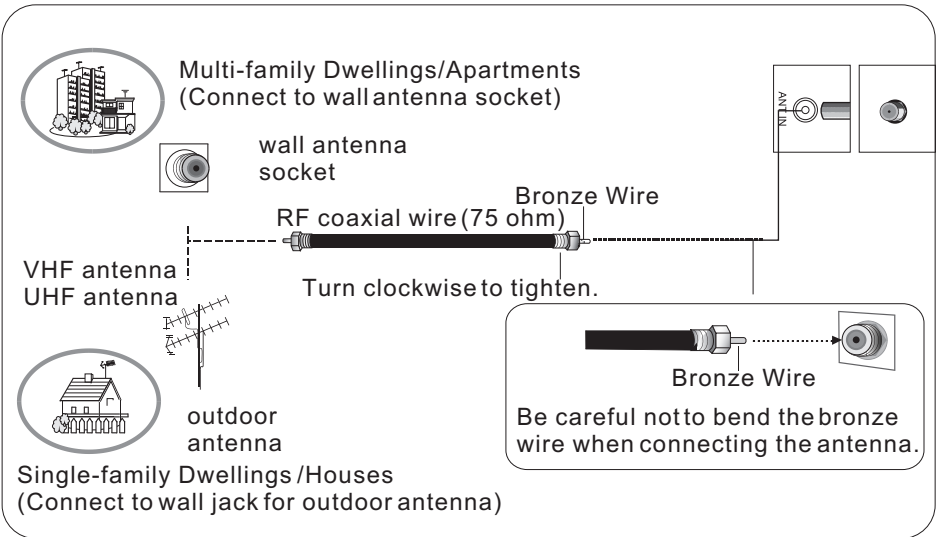
## Grounding

Ensure that you connect the grounding / earth wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker. Do not try to ground the unit by connecting it to telephone wires, lightening rods, or gas pipes.

## External Equipment Connections

### Antenna Connection

- Antenna or Cable Service with a Cable Box Connections
- For optimum picture quality, adjust antenna direction if needed.



- To improve picture quality in a poor signal area, purchase and install a signal amplifier.
- If the antenna needs to be split for two TVs, install a "2-Way Signal Splitter" in the connections.
- If the antenna is not installed properly, contact your dealer for assistance.

**NOTE:** Cables shown are not included with the TV

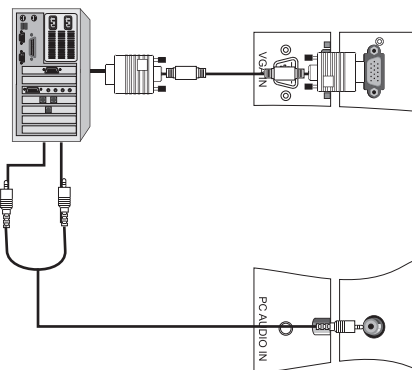
# Connection Instructions

## VGA Setup

You can use your LCD-TV as a monitor for your personal computer using a VGA cable (not supplied).

### Connection and use steps:

1. Read the user guide supplied with your computer and ensure that it has a VGA connector;
2. Make sure that the power of the LCD-TV and the PC are off;
3. Connect a Dtype 15-pin VGA interface cable (not supplied) to the VGA video interface connector on the PC. Then connect the other end to the VGA video interface connector on the back of the LCD-TV. Tighten the screws on the VGA connectors once they are firmly connected;
4. Turn on the power of the LCD-TV first, and then turn on the power of the PC;
5. Press the **TV/AV** button to set the video input mode of the LCD-TV to VGA; Once the input for VGA is selected and if you see no image press function F8 on your pc.
6. Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC mode to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card.



## Component Setup

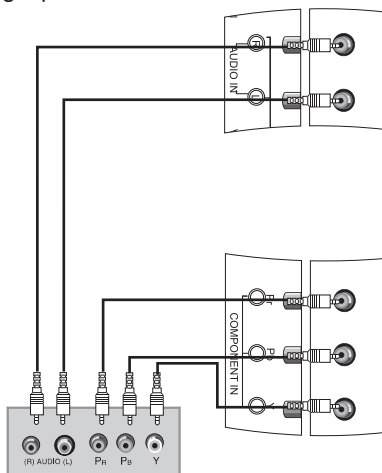
### How to connect

Connect the DVD video outputs (Y, PB, PR) to the Component (Y, Pb, Pr) IN jacks on the TV and connect the DVD audio outputs to the AUDIO IN jacks on the TV, as shown in the figure.

**NOTE:** If your DVD player does not have component video output, use S-Video.

### How to use

1. Turn on the DVD player, insert a DVD.
2. Use the **TV/AV** button on the remote control to select.



# Connection Instructions

## VCR Setup

- To avoid picture noise (interference), leave an adequate distance between the VCR and TV

### Connection and use steps:

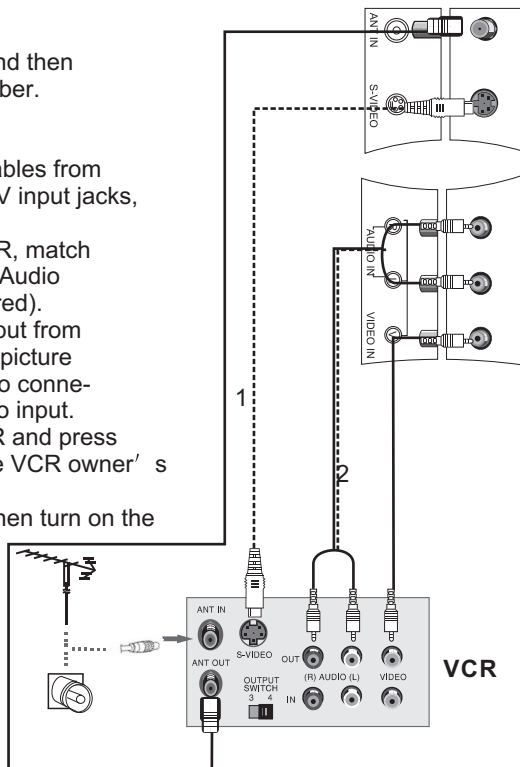
1. Read the user guide supplied with your AV devices and ensure that it has Composite or S-Video connectors;
2. Make sure that the power of the LCD-TV and the AV device are off;

### Connection Option 1

Set VCR output switch to 3 or 4 and then tune TV to the same channel number.

### Connection Option 2

1. Connect the audio and video cables from the VCR's output jacks to the TV input jacks, as shown in the figure.  
When connecting the TV to VCR, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).  
If you connect an S-VIDEO output from VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.
2. Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)
3. Turn on the LCD-TV first; and then turn on the power of the AV device;
4. Press the **TV/AV** button to set the video input mode of the LCD-TV to S-Video mode or Composite mode.



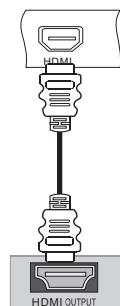
## HDMI Input

### How to connect

Connect the cables from the external equipment's output jacks to the TV input jacks, as shown in the figure.

### How to use

1. Select the input source by using TV/AV button on the remote control or on the TV.
2. Operate the corresponding external equipment. Refer to external equipment operating guide.



# Connection Instructions

## Cable TV Setup

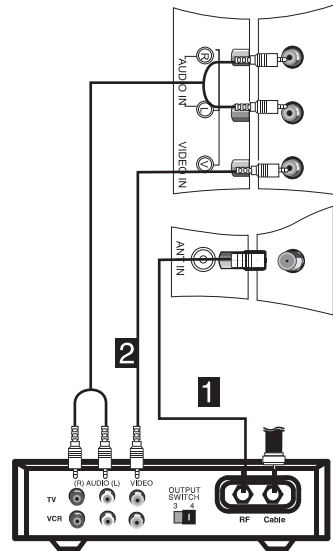
- After subscribing to a cable TV service from a local provider you can watch cable TV programming. The TV cannot display TV programming unless a TV tuner device or cable TV converter box is connected to the TV.
- For further information regarding cable TV service, contact your local cable TV service provider(s).

### Connection Option 1

1. Select 3 or 4 with channel switch on cable box.
2. Tune the TV channel to the same selected output channel on cable box.
3. Select channels at the cable box or with the cable box remote control.

### Connection Option 2

1. Connect the audio and video cables from the Cable Box's output jacks to the TV input jacks, as shown in the figure. When connecting the TV to a Cable Box, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).
2. Select the input source by using the **TV/AV** button on the remote control.
3. Select your desired channel with the remote control for cable box.



Cable Box

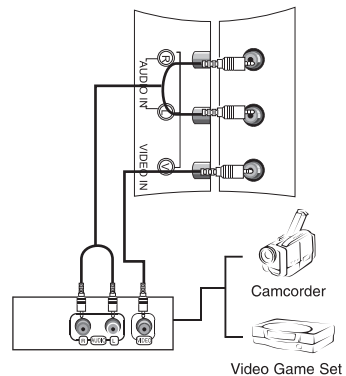
## External Component Source Setup

### How to connect

Connect the audio and video cables from the external equipment's output jacks to the TV input jacks, as shown in the figure. When connecting the TV to external equipment, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).

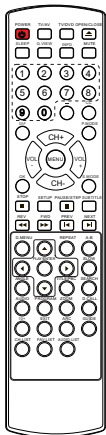
### How to use

1. Select the input source by using the **TV/AV** button on the remote control.
2. Operate the corresponding external equipment. Refer to external equipment operating guide.



# Basic Operating Instructions

## Turn on the LCD-TV



When the **POWER** (⏻) button is pressed and the LCD-TV is turned on, the indicator light on the front of the LCD-TV changes from red to green. When the LCD-TV is turned off using the power button, the LCD-TV will go into standby mode and the indicator light turns red (or turns dark).

Each time you press the **TV/AV** button, TV, Composite, S-Video, VGA, Component, HDMI and DVD will appear on the screen in order.

NOTE: The color of the indicator light may differ based upon the model purchased.

## Audio Control

1. Press the **VOL+** button to increase the volume. A number will appear on screen indicating the volume level.
2. Press the **VOL-** button to decrease the volume. A number will appear on screen indicating the volume level.

## Mute

1. Press the **MUTE** button to mute the sound temporarily. A mute icon appears on the screen.
2. Press the **MUTE** button or **VOL+** again to restore the sound. The mute icon disappears.

# Basic Operating Instructions

## Select the TV Channel You Want

You can use the number buttons and **—** button on the remote control to directly select TV channels and press **OK** to confirm.  
And you can press the buttons(**CH+ / CH-**) on the remote control or on the panel to make a selection.

## Picture Mode

Press **P.MODE** button on the remote control for menu display . For desired mode as follows:

Personal → Standard → Mild → Fresh

## Audio Mode

Press **S.MODE** button on the remote control for menu display . For desired mode as follows:

Personal → Voice → Music → Theatre

## Sleep

Press **SLEEP** button to set the time : Sleep 0 min-Sleep 5 min-Sleep 10 min-Sleep 15 min-Sleep 30 min-Sleep 45 min-Sleep 60 min-Sleep 90 min-Sleep 120 min-Sleep 180 min-Sleep 240min

This feature allows you to turn off the television after a pre-selected number of minutes

## INFO

Press **INFO** button to display current program information.

## GUIDE(only available in digital signal)

Press **GUIDE** button in digital channels to display Guide menu.(This menu is just for you to see the information and can not be changed)

Press **VOL+ / VOL-** to select information for you to look over.



# Basic Operating Instructions

## **—button**

Press to select additional channels (digital and analog) being broadcast by the same station. For example, to select digital channel “11.1”, press “11”, then press “—” and “1”.

## **CH.LIST button**

Press to display the program list. Press **CH+/CH-** to select the item and **OK** button to select the channel you desired.

## **FAV.LIST button**

Adding favorite channels

Press **CH.LIST**. The channel list opens. Press **CH+** or **CH-** to select a channel.

Press **FAV.LIST** to add the channel to the favorites channel list.

To remove a favorite channel, open the channel list, select the channel you want to remove, then press **FAV.LIST**.

Tuning to a favorite channel

Press **FAV.LIST**. The favorite channel list opens.

Press **CH+** or **CH-** to select the channel.

Your LCD TV/DVD combo automatically tunes to the channel you selected.



## **ACR button**

Press to select the aspect ratio among Full Screen, Normal, Wide, Zoom and Cinema.

# Menu Operations

\* In this manual, the OSD (On Screen Display) may be differ from your TV  
These are examples to illustrate the TV's operation.  
Press **TV/AV** to select the input source. The menu for each source may be different .

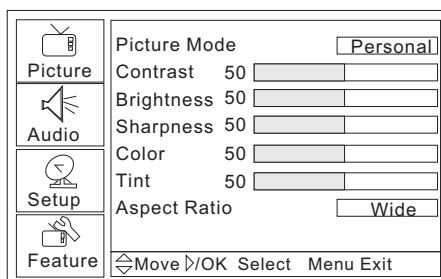
1. Press **MENU** button to display the main menu, and **CH+/CH-** to select the main menu .
2. Press **VOL+/OK** button to enter the menu and **CH+/CH-** to go up and down to select the desired option .
3. Press **VOL+/OK** button to confirm and **VOL+/VOL-** to make changes to the parameters
4. Press the **EXIT/MENU** button to exit the menu

## Picture Menu Options

Picture quality can be adjusted for any input separately .

The picture quality on the screen can be adjusted as follows:

1. Press **MENU** button and **CH+/CH-** until the following menu appears on the screen.
2. Press **VOL+/OK** button to enter the menu function and **CH+/CH-** to scroll up and down to select the desired function.
3. Press **VOL+/OK** button to confirm and **VOL+/VOL-** increase and decrease the level to adjust the selected option to your preference .
4. Repeat step 2 and step 3 until desired picture quality has been achieved .



Note:

1. The options may be different because of the inputs.
2. Symbols on top of the menu in this manual may differ from the actual set display.
3. The picture options can be changed only in Personal Mode only, the other modes are fixed.

# Menu Operations

## Picture Menu Options continued

### Function:

**Picture Mode:** Select the type of picture which best corresponds to your viewing requirements by selecting Picture Mode in Picture menu. You may select the picture mode directly by pressing the **P.MODE** button on the remote control.

**Contrast :** Press **CH+/CH-** button and **VOL+/OK** to confirm, then press **VOL+/VOL-** to adjust the contrast of the picture.

**Brightness :** Press **CH+/CH-** button and **VOL+/OK** to confirm, then press **VOL+/VOL-** to adjust the brightness of the picture.

**Sharpness :** Adjust the amount of the detail enhancement , the image sharpness rises as the number increases (By increasing the level, it will show cleaner and clearer images and by decreasing the level, it will make the picture smoother).

**Color :** Press **CH+/CH-** button and **VOL+/OK** to confirm, then press **VOL+/VOL-** to adjust color saturation.

**Tint :** Adjust the tone of the picture .







**Aspect Ratio:** Press **VOL+/OK** to select the ratio of picture display such as Wide/Zoom/Cinema/Full Screen/Normal.

Contrast,  ntiness, Sharpness and Color can only be adjusted when Picture Mode in user mode.

## Audio Menu Options

Sound can be adjusted for any input as follows:

1. Press **MENU** button and **CH+/CH-** until the following menu appears on the screen.

	Audio Mode	<input type="text" value="Voice"/>
Picture	Audio Language	<input type="text" value="English"/>
	Bass	50 <input type="text"/>
Audio	Treble	50 <input type="text"/>
	Balance	0 <input type="text"/>
Setup		
		
Feature		
 Move  OK Select Menu Exit		

# Menu Operations

## Audio Menu Options continued

You can adjust sound options to the levels you prefer.

2. Press **VOL+/OK** button to enter the Audio menu and **CH+/CH-** to go up and down to select the desired option .
3. Press **VOL+/OK** button to confirm and **VOL+/VOL-** increase and decrease the level to adjust the selected option to your preference .
4. Repeat step 2 and step 3 until desired audio quality has been achieved .

### **Function :**

**Audio Mode :** Press **VOL+/OK** to select the type of sound which best corresponds to your lightning requirements by selecting Audio Mode in Audio menu.

**Audio Language:** Press **VOL+/OK** to display the default language.

**Bass :** Press **CH+/CH-** button and **VOL+/OK** to confirm, then press **VOL+/VOL-** to increase or decrease the level of the lower-pitched sounds . can only be stored under User mode .





**Treble :** Press **CH+/CH-** button and **VOL+/OK** to confirm, then press **VOL+/VOL-** to increase or decrease the level of the higher-pitched sounds . Can only be stored under User mode .

**Balance :** Press **CH+/CH-** button and **VOL+/OK** to confirm, then press **VOL+/VOL-** to adjust the audio output between left and right speakers.

# Menu Operations

## Setup Menu Options

1. Press **MENU** button and **CH+/CH-** until the following menu appears on the screen.

	Tuning Band	<input type="text" value="Air"/>
Picture	DTV Signal	<input type="text" value="&gt;"/>
	Auto Ch Search	<input type="text" value="&gt;"/>
Audio	Add On Ch Search	<input type="text" value="&gt;"/>
	Manual Ch Set	<input type="text" value="&gt;"/>
Setup	Channel Label	<input type="text" value="&gt;"/>
	Menu Language	<input type="text" value="English"/>
Feature	Reset	<input type="text" value="&gt;"/>
<input type="button" value="Move"/> <input type="button" value="OK"/> <input type="button" value="Select"/> <input type="button" value="Menu Exit"/>		

2. Press **VOL+/OK** button to enter the Setup menu and **CH+/CH-** to go up and down to select the desired option .
3. Press **VOL+/OK** button to confirm and **VOL+/VOL-** increase and decrease the level to adjust the selected option to your preference .
4. Repeat step 2 and step 3 until desired quality has been achieved .

### Function:

**Tuning Band:** Press **VOL+/OK** button to select Cable Auto, Air, Cable, Cable HRC, Cable IRC.

**DTV Signal:** Shows the signal strength of the reception.

**Auto Ch Search:** Press **CH+/CH-** button to select the item. Then press **VOL+/OK** button to enter your selection and scan. All channels now available will be automatically preset in order .After the search has finished, the first program number will display on the screen. This search automatically adds only the active channels in your area to the TV's memory. It deletes any channels on which there is no broadcast or a poor signal. The channels found are automatically saved as below:

Auto program Menu	
NTSC Channel 19	<input type="text" value="Not Found"/>
Analog Channels Found	<input type="text" value="2"/>
Digital Channels Found	<input type="text" value="0"/>
Progress(%)	12 <input type="text" value=""/>
Menu Stop	

**Note:** The TV searches channels in analog first and then searches channels in digital signal ,which may take up to few minutes.

# Menu Operations

## Setup Menu Options

**Add On Ch Search:** When the channels are found, use **VOL+/OK** to add it to the channel list.

**Manual Ch Set:** Press **OK** button to display a channel list that you can select channels as below:

Manual Channel Set Menu		
Ch 42-1	ATSCdmo	Viewable
Ch 2-0		Viewable
Ch 11-0		Viewable
◀▶ Move OK Change Menu Exit		

**Channel Label:** Allows you to name the channel that is selected. Press **VOL+/OK** to enter the selection and the menu displays as below:

Channel Label Menu	
Ch 42-1	-----
◀▶ Move ◀▶ Change Menu Exit	

Press **VOL+/VOL-** to select the position and **CH+/CH-** to input the characters.







**Manual Language:** To select language of the OSD .

**Reset:** Press **VOL+/OK** to return to the default set.

# Menu Operations

## Feature Menu Options



1. Press **MENU** button and **CH+/CH-** until the following menu appears on the screen.

	Time Set	<input type="text"/>
Picture	Sleep Timer	<input type="text" value="0 min"/>
	Advanced Video Menu	<input type="text"/>
Audio	Password Set	<input type="text"/>
	Parental Control	<input type="text"/>
Setup	NTSC CC	<input type="text" value="CC1"/>
	ATSC CC	<input type="text" value="CS1"/>
Feature	Digital Closed Caption	<input type="text"/>
 Move  OK Select Menu Exit		

2. Press **VOL+/OK** button to enter the Feature menu and **CH+/CH-** to go up and down to select the desired option .
3. Press **VOL+/OK** button to confirm and **VOL+/VOL-** increase and decrease the level to adjust the selected option to your preference .
4. Repeat step 2 and step 3 until desired quality has been achieved .

Function:

**Time Set:** Press **CH+/CH-** button and **VOL+/OK** to enter the time set menu as below that allows you to set the time the DTV will display.

Time Set Menu	
Time Set Mode	<input type="text" value="Auto"/>
Time Zone	<input type="text" value="Pacific"/>
Year	<input type="text" value="2006"/>
Date	<input type="text" value="Dec29"/>
Time	<input type="text" value="12:00 AM"/>
 Move  Change Menu Exit	

**Time Set Mode:** You can select one of auto and manual to set the time. When Auto is selected, the item of year/date and time will be disabled and can not be adjusted. When select Manual mode, you can press **CH+/CH-** to select the item and **VOL+/OK** to confirm, then press **VOL+/VOL-** to adjust the time.

**Time Zone:** Press **CH+/CH-** to select the item and **VOL+/OK** to confirm, then press **VOL+/VOL-** to select the time zone.

**Year/Date/Time:** Press **VOL-/VOL+** to adjust the time.

**Sleep Timer:** Press **VOL+/OK** to select the amount of time before your TV turn off automatically .

# Menu Operations

## Feature Menu Options Continued

Advance Video Menu: Press **VOL+/OK** to enter the menu as below:

Advance Video Menu	
Noise Reduction-Spatial	Off
Noise Reduction-Speckle	Off
Noise Reduction-Temporal	Off
Color Temperature	Neutral
3D Y/C	On
◀ Move ▶ Change Menu Exit	

Noise Reduction-Spatial: Press **VOL-/VOL+** to select on or off

Noise Reduction-Speckle: Press **VOL-/VOL+** to select on or off.

Noise Reduction-Temporal: Press **VOL-/VOL+** to select on or off.

Color Temperature: Press **VOL-/VOL+** to select one of Neutral/Warm/Cool.

3D Y/C: Press **VOL-/VOL+** to select on or off.

Password Set: Press **OK/VOL+** to enter the Enter Old Password menu, and then input the number of 0-9 as below, and you can change the password when you input the new one twice. (The initial password is 0000)

Enter Old Password				
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Parental Control: Press **OK/VOL+** to enter the menu :

Enter Password				
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

input the correct password with 0-9 buttons. And the menu displays as below:

Parental Control Menu	
US Ratings	▶
Canadian R	▶
Advanced Rating	Off
◀ Move ▶ Change Menu Exit	

Press **CH+/CH-** to select US Ratings and **VOL+/OK** button to confirm. Then press **VOL+/VOL-** to select the item and **OK** to confirm.

Parental Control Menu	
MPAA	TV RATING
NONE <input type="checkbox"/>	ALL FV L S V D
G <input type="checkbox"/>	NONE
PG <input type="checkbox"/>	TV-Y <input type="checkbox"/>
PG-13 <input type="checkbox"/>	TV-Y7 <input type="checkbox"/> <input type="checkbox"/>
R <input type="checkbox"/>	TV-G <input type="checkbox"/>
NC-17 <input type="checkbox"/>	TV-PG <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
X <input type="checkbox"/>	TV-14 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	TV-MA <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
◀ Move OK Change Menu Exit	



# Menu Operations

## Feature Menu Options Continued

### PARENTAL LOCK TECHNOLOGY:

The "P.L. Technology" allows you to use U.S. and Canadian Movies and TV PROGRAMS Guide ratings to block certain types of TV programs and movies.

To clearly understand TV program rating codes, read the following information:

#### U.S. TV Program Ratings

**NONE:** Not Rated-this means that programs are not rated or rating does not apply.

**TV-Y:** For all children - these types of rated programs are designed for a very young audience, including children from ages 2-6.

**TV-Y7:** Directed towards older children - this type of rated programs may include comedic violence of mild physical, or may frighten children under the age of 7.

**TV-G:** General audience - these types of rated programs contains little or no violence, no strong language, and little or no sexual dialogue and situations.

**TV-PG:** Parental Guidance Suggested-this type of rated programs may contain limited violence, some suggestive sexual dialogue and situations, and rare language.

**TV-14:** Parents strongly cautioned-these types of rated programs may contain sexual content, strong language and more intense violence.

**TV-MA:** Mature audience only these types of rated programs may contain sexual violence, explicit sexual content and profane language.

**(F)FANTASY VIOLENCE :** This type of rated programs contain Fantasy and cartoon violence.

**(D)DIALOGUE:** This type of rated programs contain dialogue with sexual content.

**(L)LANGUAGE:** This type of rated programs contain offensive language.

**(S)SEX:** This type of rated programs contain sex.

**(V)VIOLENCE:** This type of rated programs contain violence.

To understand clearly about movie rating codes, read the following list:

#### U.S. Movie Rating Chart

**NONE :** This means movie is not rated yet. It is pending government rating approval.

**G:** General Audience-this type of movie rating means all ages admitted to see the movie.

**PG:** Parental guidance suggested. Some material may not be suitable for children.

**PG-13:** Parents Strongly Cautioned - this type of movie rating means some material may not be appropriate for children under 13.

**R:** Restricted- This type of movie rating means children under 17 of age require to be with parent or guardian.

**NC-17:** This type of movie rating means no one 17 and under admitted.

**X:** This type of movie rating means adults only.

# Menu Operations

## Feature Menu Options Continued

Press **CH+/CH-** to select Canadian Rating and **VOL+/OK** button to confirm.  
Then press **CH+/CH-/VOL+/VOL-** to select the item and **OK** to confirm.

Canadian Rating Menu	
Canadian English	Canadian French
E <input type="checkbox"/>	E <input type="checkbox"/>
C <input type="checkbox"/>	G <input type="checkbox"/>
C8+ <input type="checkbox"/>	8 ans+ <input type="checkbox"/>
G <input type="checkbox"/>	13 ans+ <input type="checkbox"/>
PG <input type="checkbox"/>	16 ans+ <input type="checkbox"/>
14+ <input type="checkbox"/>	18 ans+ <input type="checkbox"/>
18+ <input type="checkbox"/>	
Move	OK Change      Menu Exit

To clearly understand Canadian program rating codes, read the following list:  
Canadian English Rating Chart

- C: This type of programming is intended for children under age 8. There is no offensive language, nudity or sexual content.
- C8+: These types of rated programs are generally considered acceptable for children 8 years and over. There is no profanity, nudity or sexual content.
- G: These types of rated programs are generally suitable for all audiences.
- PG: Parental Guidance Suggested-in these types of rated programs, some material may not be suitable for children.
- 14+: In these types of rated programs, some content may not be suitable for viewers under the age of 14. Parents are strongly cautioned not to have their children view 14+ rated programs by pre-teens and early teens.
- 18+: Adults Only-these types of rated programs are only for adult viewers only.

### Canadian French Rating Chart

OFF: NO controls

G: These types of rated programs are generally suitable for all audiences.

8+: Children 8 years and above (French)

13+: 13 years old and above (French)

16+: 16 years old and above (French)

18+: Adults Only-these types of rated programs are only for adult viewers only.

Advanced Rating: Selecting On or Off to operation in DTV signal.

## CLOSED CAPTION

NTSC CC: Press OK to select the Closed Caption options. Closed Captioning helps the hearing impaired with the broadcast program, as well as helping children learn how to read. A built in decoder displays the audio portion of a program as text on the screen when this option is selected.

CC1: When CC1 is displayed on TV means CC MODE is turned on.

CC2 to CC4: For other modes of video related broadcast information.

TEXT1: For program guide and other information displayed by broadcasters.  
(This blocks a large portion of the picture on your screen).

TEXT2 to TEXT4: For other modes of information displayed by broadcasters.  
(This blocks a large portion of the picture on your screen).

# Menu Operations

## Feature Menu Options Continued

**IMPORTANT:** Closed captioning availability entirely depends on broadcasters supplying the signal. Therefore, closed captioning might not always be available and language availability will differ by broadcast.

**Note:** Select **CC1** for full translation of the *primary language such as English in your area*. Select **CC2** for secondary language translation such as French or any other language that may be broadcast in your area.

ATSC CC: Press **OK** to select CS1/CS2/CS3/CS4/CS5/CS6.

Digital Closed Captions: This item allows you to set the closed caption, and press **OK/VOL+** to enter Closed Caption menu as below:

Digital Closed Caption	
Style	Automatic
Size	Automatic
Font	Automatic
Text Color	Automatic
Text Opacity	Automatic
Background Color	Automatic
Background Opacity	Automatic
Edge Effect	Automatic
Edge Color	Automatic
<div> <div>↔ Move</div> <div>↔ Change</div> <div>Menu Exit</div> </div>	

Style: Press **VOL+/VOL-** to select one of Automatic and Custom. When you select automatic, the others are disable and can not be adjusted.

Size: Press **VOL+/VOL-** to select the size of caption display according to your own preference.

Font: Press **VOL+/VOL-** to select the font of caption display according to your own preference.

Text Color: Press **VOL+/VOL-** to select the text color or the opacity of the text box of caption display according to your own preference.

Select a color and one of the opacity options.

Text Opacity: Press **VOL+/VOL-** to specify the opacity for the text color.

Background Color: Press **VOL+/VOL-** to select a background color.

Background Opacity: Press **VOL+/VOL-** to select the opacity for the background color.

Edge Effect: Press **VOL+/VOL-** to select according your own preference

Edge Color: Press **VOL+/VOL-** to select the edge color according your own preference

## VGA Menu Options Continued

1. Press **MENU** button and **CH+/CH-** button to select Feature menu in VGA mode.
2. Press **VOL+/OK** button to enter the Feature menu and **CH+/CH-** to go up and down to select the desired option.

## VGA Menu Options Continued

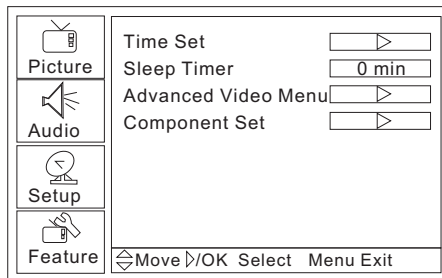
- 

Setting: Press **OK** to do preset that can return to the factory setting.

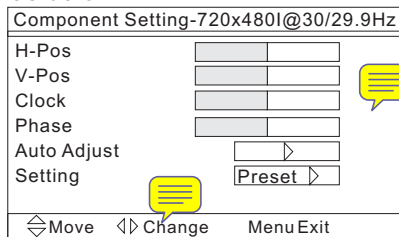
# Menu Operations

## Component Menu Options

1. Press **MENU** button and **CH+/CH-** button to select Feature menu in Component mode.
2. Press **VOL+/OK** button to enter the Feature menu and **CH+/CH-** to go up and down to select the desired option.
3. Press **VOL+/OK** button to confirm and **VOL+/VOL-** increase and decrease the level to adjust the selected option to your preference.
4. Repeat step 2 and step 3 until desired quality has been achieved.



Component Set: Press **CH+/CH-** button to select and **VOL+/OK** to confirm, the Component set menu as below:



H-Pos: Press **CH+/CH-** button and then press **VOL+/VOL-** to adjust the horizontal position of the picture.

V-Pos: Press **CH+/CH-** button and then press **VOL+/VOL-** to adjust the vertical position of the picture.

Phase: Press **CH+/CH-** and then press **VOL+/VOL-** to adjust the phase of the picture.

Clock: Press **CH+/CH-** button and then press **VOL+/VOL-** to adjust the clock of the picture.

Auto Adjust: Press **CH+/CH-** button and then press **VOL+** to auto adjust that automatically adjusts the available options for the best viewing configuration.





Setting: Press **OK** to do preset that can return to the factory setting.

# Menu Operations





## HDMI and S-Video Menu Options

1. Press **MENU** button and **CH+/CH-** button to select Feature menu in HDMI or S-Video mode.
2. Press **VOL+** button to enter the Feature menu and **CH+/CH-** to go up and down to select the desired option .
3. Press **VOL+/OK** button to confirm and **VOL+/VOL-** increase and decrease the level to adjust the selected option to your preference .
4. Repeat step 2 and step 3 until desired quality has been achieved .

### HDMI

	Time Set	<input type="text"/>
Picture	Sleep Timer	0 min
	Advanced Video Menu	<input type="text"/>
Audio		
		
Setup		
		
Feature		
<input type="button" value="Left Arrow"/> Move <input type="button" value="Right Arrow"/> OK Select Menu Exit		

### S-Video

	Time Set	<input type="text"/>
Picture	Sleep Timer	0 min
	Advanced Video Menu	<input type="text"/>
Audio	Password Set	<input type="text"/>
	Parental Control	<input type="text"/>
Setup	NTSC CC	CC1
		
Feature		
<input type="button" value="Left Arrow"/> Move <input type="button" value="Right Arrow"/> OK Select Menu Exit		

**Time Set:** Press CH+/CH- button and then VOL+/OK button to enter the submenu that allows you to set the time the TV will display.

**Sleep Timer:** Press VOL+/OK button to select the amount of the time before your TV turn off automatically.

**Advanced Video Menu:** Press VOL+/OK button to enter te advanced video menu.

**Password Set:** Press CH+/CH- button and then VOL+/OK button to enter Password Set menu and input or change old password.

**Parental Control:** Press CH+/CH- button and then VOL+/OK button to enter Parental Control menu.

**NTSC CC:** Press CH+/CH- button and then VOL+/OK button to enter NTSC CC menu and select the Closed Caption options.

# DVD Features

## Basic Playback

### Preparations

- Press the TV/DVD button on the remote control to enter the DVD status.
- Note: Do not insert a disc until the DVD input status opens.

### Basic playback

1. Place the DVD in the disc slot. The disc will be loaded automatically after one to two seconds, then the DVD player reads the DVD and displays the opening menu. (If there is no disc placed in DVD mode, OPEN will display on the screen all the times)

- Do not place a disc that is unplayable in this DVD player.
- Some discs do not start automatically. Press PLAY/ENTER to start playback.

2. Some discs may start playback with a menu. Use the cursor buttons on the remote control to select menu options and press PLAY/ENTER to start. You may also press the digit buttons to select a menu option directly. Many DVDs will not allow this during start-up.

### Pause playback

1. Press PAUSE/STEP to pause playback (still mode). The sound will be muted during still mode.
2. Press PLAY/ENTER to resume normal playback.

### Stop playback

1. Press STOP ■ button to go to stop mode, the TV screen will show the start logo. With some discs, such as DVD or CDs, the player can resume playback from the point where it was stopped.
2. Press PLAY/ENTER to resume playback from the location where the playback was stopped.
3. Press STOP twice to stop completely.

### Previous and Next

During Playing, pressing the PREV ◀ key will restart the last chapter and skip chapters backwards with each subsequent press until the start of the disc is reached.

Each press of NEXT ▶ key during playing will skip the current chapter and play the next one.

### Fast forward and Fast reverse

1. Press FWD ►► to fast forward through the disc. Each time the FWD ►► button is pressed, the fast forward motion speed changes.
2. Press PLAY/ENTER to resume normal playback.
3. Press REV ◀◀ to fast reverse through the disc. Each time the REV ◀◀ button is pressed, the fast reverse motion speed changes.
4. Press PLAY/ENTER to resume normal playback.

### Single step playback

1. When paused, press PAUSE/STEP continuous to single step forward to the next frame in the video.
2. Press PLAY/ENTER to resume normal playback.

# DVD Features(Continued)

## Advanced Playback

### IMPORTANT NOTE:

ALL DESCRIBED FUNCTIONS AFOR DVD DISCS. IF YOU PLAY OTHER DISC FORMATS THE OPERATION AND ON SCREEN DISPLAY WILL BE DIFFERENT.

### SUBTITLE

Press " SUBTITLE ", the screen will display "SUBTITLE 01/XX XXXXX", "01" indicates the ordinal number of this language; "XX" indicates total number of language; "XXXXXX" indicates the language of country. (The number of language depends on disc.) This function can select up to 32 languages displayed on screen.

### REPEAT

Press "REPEAT" and Chapter repeat will be displayed on screen, the second press will display Title repeat, the third press will display All repeat, the fourth press will cancel this function.

### A-B

Press "A-B " to begin start-point, press again to set an end point and complete setting. The selected section A-B will be repeated. The third press will cancel this function.

### ANGLE

When enjoying sports, concert or theatre, press this key to watch same actions in different angles. (Valid for discs possessing this function. Using a disc recorded in multi-angle you can view the scene from different angles, for example, front, side, whole view and exterior scene).

### D.MENU

Press this key to display the root menu, select items according to your preference. (This function will work on a DVD with a multi-layer menu.)

### D.CALL

Pressing this key will cycle through "Title Elapsed", "Title Remain", "Chapter Elapsed", "Chapter Remain" and "Display off".

### PROGRAM

When playing discs, press "PROGRAM" to enter program mode. Press the digit buttons to select the program number that you want. When finished move the cursor to select "START". Press PLAY/ENTER to confirm. This will start the program playback.

### SEARCH

Press "SEARCH" once to display the search menu. Press the button again to select. Press the program number buttons to input the item you require. Press PLAY/ENTER to confirm.

### SLOW

Press SLOW to play a disc in slow motion. Each time the SLOW button is pressed, the slow motion speed changes. Press PLAY/ENTER to resume normal playback;

**Note:** This function dose not work for CD .

### TITLE/PBC

With some DVD discs pressing this key will display the title menu. You can then use the digit buttons to select the item you prefer.

### AUDIO

Press this key can change the mode of audio.

such as: Audio 1/2: AC 3 2 CH English

Audio 2/2: AC 3 5.1 CH English

Press this button to cycle between Mono Left, Mono Right, Mix-Mono and Stereo.

**Note:** When press this button continuously, you must allow a 3 second interval between selections.



# Special Function Playback

## JPEG DISC PLAYBACK

When a disc containing standard JPEG picture files is inserted into the player, a navigation menu will be displayed automatically. Use the UP and DOWN cursor buttons to select a file then press PLAY/ENTER. The slide show will commence. Press PREVIOUS or NEXT to move between pictures. Press pause to stop on the current picture. Press PLAY/ENTER to resume normal playing.

A JPEG disc contains JPEG (.jpg) format picture information that can be decoded by a micro-computer software and displayed through the video output interface or on the television screen.

This function has many applications. For example one can save files from a scanner or digital camera in the JPEG format, record these on a CD-R disc and present them to an audience through this player.

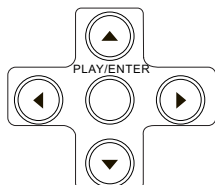
The JPEG format is a convenient method to store images in a small amount of memory space, and is ideal for archiving information.

## SCREEN SAVER FUNCTION

This unit employs a screen saver mode to help protect the tube during static video pictures. This can be turned off on the GENERAL SETUP PAGE.

# DVD System Setup

## DVD System Setup



### General Setup Process

1. Press the setup button, the general set up page will be displayed press twice the preference page will be displayed
2. Press ▲ or ▼ to select, the item, then press ► to enter the submenu.
3. Press ▲ or ▼ to select then press PLAY/ENTER to confirm.
4. Press SETUP repeatedly to exit the set-up menus.

NOTE: Preference page will be displayed when there is no DVD in the unit.

#### ..General Setup Page..

Tv Display	LB	4: 3/Ps
Angle Mark	On	4: 3/Lb
Osd Lang	ENG	16: 9
Caption	On	
Screen Saver	Off	

#### ..Preference Page..

Parental	1 Kid Saf
Password	2 G
Default	3 Pg
	4 Pg 13
	5 Pgr
	6 R
	7 Nc17
	8 Adult

### General Setup Page

#### ASPECT RATIO DESCRIPTION

When using the DVD with the internal TV, select 4: 3/LB.

*The following information applies only when the DVD output is connected to an external TV.*

- 4:3/PS (PS = Pan and Scan)

You may select if you have a normal aspect ratio (4:3) TV, although the NORMAL/LB (letter box) is a more common choice. In PS

mode, widescreen material will fill the screen, but at the expense of chopping off extreme left and right edges of the original film picture. For this feature to work, the disc must be specially coded. Such discs are uncommon.

- 4:3/LB (LB = Letter Box)

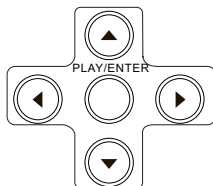
You may select this if you have a normal aspect ratio (4:3) TV. Widescreen material will be shown in pure unaltered form, allowing the entire picture area of the original film to be viewed without any side cropping. Black bars will appear above and below the picture.

- 16:9

You may select this if you have a widescreen (16:9) TV. Black bars may still appear above and below the picture even if using a widescreen TV. This is because some film directors prefer to use ultra widescreen aspect ratios e.g. 2.35:1. This will normally be indicated on the DVD packaging.

#### ..General Setup Page..

Tv Display	LB	4: 3/Ps
Angle Mark	On	4: 3/Lb
Osd Lang	ENG	16: 9
Caption	On	
Screen Saver	Off	



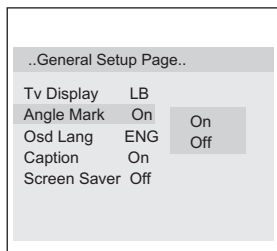
# DVD System Setup(Continued)

## DVD System Setup

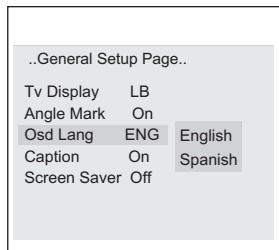
### General Setup Page

**ANGLE MARK:** Users can select a particular camera angle when playing a DVD which offers multiple angles.

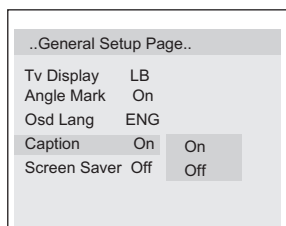
This item allows you to set Angle Mark ON or OFF.



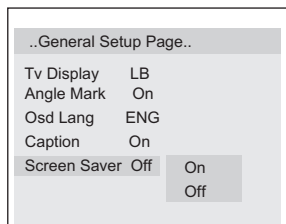
**On Screen Display (OSD) Language:** Users can select on-screen display language.



**CAPTION:** This function allows you to display or hide the caption.

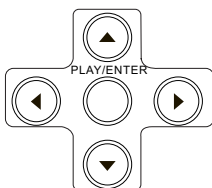
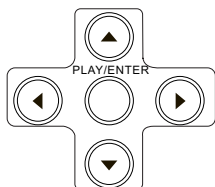


**SCREEN SAVER:** If the screen saver is on, then there will be an animated picture of DVD on the screen whenever the DVD player is idle for more than 3 minutes .



# DVD System Setup(Continued)

## DVD System Setup



### Preference Page

The Preference Page is only available when there is no disc in the player.

**PARENTAL:** The parental control function works in conjunction with the different censorship classes assigned to DVDs. These classes help to control the types of DVDs that the family watches, There are up to 8 censorship classes for DVDs.

..Preference Page..	
Parental	1 Kid Saf
Password	2 G
Default	3 Pg
	4 Pg 13
	5 Pgr
	6 R
	7 Nc17
	8 Adult

#### Note:

- 1 To change this setting you must enter your password. (Initial password is 1234)
- 2 When set to OFF, all discs may be viewed.

### PASSWORD CHANGE:

You can change your password by entering 4 digits. You must confirm the 4 digits before the new password can be accepted.

..Preference Page..	
Parental	
Password	Change
Default	

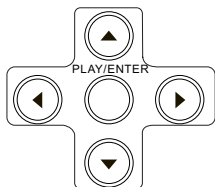
#### NOTE:

If you forget your password or a password is accidentally set enter 1369 as the password. This will enable you to regain control.

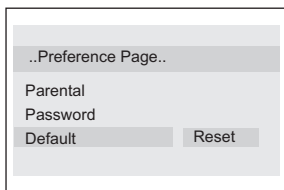
Old Password	<input type="text"/>
New Password	<input type="text"/>
Confirm Pwd	<input type="text"/>
	<input type="button" value="OK"/>

# DVD System Setup(Continued)

## DVD System Setup



**DEFAULT:** Resets all settings (except password and parental lock status) for this DVD player back to the manufacturers original settings. Press ENTER to perform the reset.








**Note:**

Some functions may not be available depending on the type of disc.

# Playable Discs

The following discs can be played:

DISCS	LABEL	CONTENTS	DIMENSION
DVD VIDEO		Audio +Video (moving picture)	12cm
AUDIO CD		Audio	12cm
HDCD		Audio	12cm
JPEG		Video(picture)	12cm
KODAK CD		Video(picture)	12cm
CD-R	<b>CD•R</b>	Audio or Video (moving picture)	12cm
CD-RW	<b>CD-RW</b>	Audio or Video (moving picture)	12cm
<b>CD+G</b>	<b>CD+G</b>	Audio(picture)	12cm

- You cannot play discs other than those listed above.
- You cannot play non-standardized discs, even if they may be labelled as above.
- The performance of CD-R or CD-RW disc depends on the way the disc was burned. In a few cases, their performance may not be consistent or may not even operate at all.

This DVD Player is designed and manufactured according to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this DVD Player, this DVD player will not play that disc.

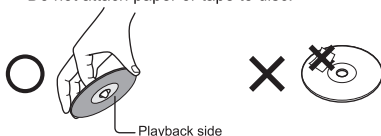
This Region number of this DVD Player is .



# Disc Protection and DVD Characteristics

## ON HANDLING DISCS

- Do not touch the playback side of the disc.
- Do not attach paper or tape to disc.



## ON CLEANING DISCS

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the centre outwards with a soft cloth. Always keep the disc clean.



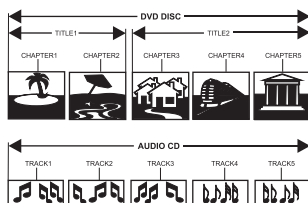
- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzene, commercially available cleaners or anti-static spray for vinyl Lps. It may damage the disc.

## ON STORING DISCS

- Do not store discs in a place subject to direct sunlight or near heat source.
- Do not store discs in place subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing object on discs outside of their case may cause warping.

## STRUCTURE OF DISC CONTENTS

Normally, DVD discs are divided into titles, and the titles are sub-divided into chapters. Audio CD are divided into tracks.



Each title, chapter, or track is assigned a number, which is called title number, chapter number or track number respectively.

There may be discs that do not have these number.

## Compare DVD disc with other discs:

	DVD				LD	SVCD	VCD	CD
Encode method	Digital/MPEG II				Analog	Digital	Digital/MPEG I	Digital
Capacity	Single-side single-layer 4.7G	Double-side single-layer 8.5G	Single-side double-layer 9.4G	Double-side double-layer 17G	Single-side 60 minutes double-side 120 minutes	650MB	650MB	650MB
Playing Time	133 minutes	242 minutes	266 minutes	484 minutes		45 minutes	74 minutes	74 minutes
Disc diameter	12cm				30cm/20cm	12cm	12cm	12cm
Horizontal resolution	More than 500 line				No more than 430 line	No more than 350 line	No more than 250 line	
Picture proportion	Multiple kinds				One kind	One kind	One kind	
Subtitle	32 kinds				16 kinds at most	4 kinds		
Language	8 kinds				4 kinds at most	4 kinds at most	2 kinds	2 kinds
Sound quality	48KHz, 96KHz/ 6, 20, 24bit				44.1KHz/ 16bit	44.1KHz/ 16bit	44.1KHz/ 16bit	44.1KHz/ 16bit

# Troubleshooting Guide

- To assist in location possible faults use help guide below.

## Troubleshooting

No picture, no sound	Verify if the television is properly plugged in. Verify if the television is properly supplied with power. Verify that electricity is available.
Blank screen	Verify if correct signals are input. Press TV/AV button to change signal input to TV input. Restart the television if power supply is interrupted.
No sound	Press MUTE button and verify if Mute mode is on. Switch to another channel and verify if the same problem happens. Press VOL+ button to see if the problem can be solved.
Poor sound	Verify if sound system is functional. Refer to chapter on adjusting.
No picture in some channel	Verify if correct channel is selected. Adjust the antenna.
No color for some channel program (black and white)	Verify if the same problem exists in other channels. Check picture and sound systems. Refer to relative instructions in the Manual for color adjust.
Spots with some or all pictures	Verify if the antenna is correctly connected. Verify if the antenna is in good condition. Make fine adjustment of channel.
Abnormal functioning	Disconnect the television from power supply and, 10 seconds later, reconnect to the power supply. If the problem still exists, contact an authorized service depot for technical assistance.

### Note:

1. If the fault can not be repaired using the above guide consult with your local authorized service center.
2. The TV set must only be repaired by a qualified registered service person. Never attempt to remove the back cover as the TV set has dangerous voltage levels inside that may be fatal or cause fire.



# Specifications

Specifications of the television that you have just purchased may vary from the information in this table due to technical innovations.

Model	HLC15B <sup>Ⓐ</sup> /HLC15E <sup>Ⓓ</sup> HLC19E <sup>Ⓐ</sup> /HLC19W <sup>Ⓐ</sup> /HLC22E <sup>Ⓐ</sup>	
Picture, sound system	NTSC, ATSC, Clear QAM	
Audio output	≥1.5W+1.5W	
External input port	AV input PC input S-VIDEO input PC audio input Headphone output YPbPr input Antenna input	
Power requirements	~120V 60Hz	
Power consumption	≤60W	≤80W
Temperature	Working: +5℃~+35℃ Storage: -15℃~+45℃	
Humidity	Working: 20% ~ 80% Storage: 5% ~ 90%	
Accessories	Remote control Batteries User manual	

## NOTE

Design and specifications are subject to change without notice.  
Dimensions quoted in this manual are approximate.

# Warranty

## Warranty

This Haier brand product, when shipped in its original packaging, will be free from defective workmanship and materials, and Haier agrees that it will, at its option, either repair the defect or replace the defective product with a new or re-manufactured equivalent at no charge to the purchaser, for parts or labor for the periods set forth below.

This warranty does not apply to the appearance of the product or the exterior of the product, which has been damaged or defaced, altered or modified in design or construction. It does not apply to the additional excluded items set forth below.

The warranty commences on the date the item was purchased and the original purchase receipt must be presented to the authorized service center before warranty repairs are rendered.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of Haier.

The warranties described herein shall be the sole and exclusive warranties granted by Haier and shall be the sole and exclusive remedy available to the purchaser. Correction of defects in the manner and for the period of time described herein shall constitute complete fulfillment of obligations and responsibilities of Haier to the purchaser with respect to the product and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Haier be liable, or in any way responsible, for any damages or defects in the product which were caused by repairs or attempted repairs performed by anyone other than an authorized service center or dealer, nor shall Haier be liable, or in any way responsible, for incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

**THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.**

Warranty period for this product: 90 days labor and one year parts .

Additional items excluded from warranty coverage: non-rechargeable batteries.  
What to do to obtain service or to obtain product literature, accessories, supplies or customer assistance: Simply call 1-877-337-3639.  
Be sure to have proof of purchase.

**Haier®**